RIYAZ FAIZULLABHOY

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EDUCATION:

8/11 – Present **University of California, Berkeley '15** Berkeley, CA

- B.S. Electrical Engineering and Computer Science (EECS)
- Overall GPA: 3.979, Major GPA: 4.00; completed 94.2 of 120 required units
- Member and Officer of Eta Kappa Nu – EECS Honor Society
- Relevant coursework:
  - Data Structures and Algorithms (Java) – CS 61B A+
  - Artificial Intelligence (Python) – CS 188 A+
  - Efficient Algorithms and Intractable Problems – CS 170 A
  - Machine Structures (C, Assembly) – CS 61C A
- Current: Databases – CS 186, Algorithms for Computational Biology – CS 176
- Upcoming courses: Operating Systems – CS 162, Machine Learning – CS 189

SKILLS AND INTERESTS:

Programming Languages: Proficient in Python, Java, C; basic HTML, CSS, JavaScript
Frameworks: Hadoop (also with Amazon EC2), Android SDK development
Software: Proficient with Eclipse IDE, Vim, Sublime, Git, Perforce, Ant, LaTeX
Interests: Computing in science, big data, mobile devices, website design, int'l travel

EXPERIENCE:

5/13 – Present **Qualcomm – Software Engineer Intern** San Diego, CA

- Designed and implemented features for an Android application devised to test all aspects of the newest Qualcomm Snapdragon and modem chipsets on hundreds of test devices in Qualcomm offices worldwide. Features included audio playback, network diagnostic check via Iperf, and graphics intensive benchmark tests
- Rapidly detected, debugged, and resolved application issues on a daily basis
- Developed a Jetty web server to interface with the test devices in order to report device status during the app sequence and execute client-server model features

12/12 – Present **Eta Kappa Nu – EECS Honor Society – Tutoring Officer** Berkeley, CA

- Organized, lead, and generated study material for review sessions for all lower division electrical engineering and computer science classes for undergraduates
- Held weekly office hours for undergraduates, and assisted with internal events
- Revamped and maintained the unofficial course guide for all EECS undergraduates

6/12 – 6/13 **Lab for Mathematical and Computational Biology** – **Researcher** Berkeley, CA

- Developed tools in Python of minimal algorithmic complexity to allow for high-throughput RNA or DNA sequencing through large amounts of input data
- Added tools to the eXpress DNA and RNA sequencing tool to benefit user experience, wrote parsers for varying file formats and manipulated data using the PySam/Samtools API to standardize input amongst all users to minimize user error
- Wrote detailed and organized documentation for the Python tools using Sphinx